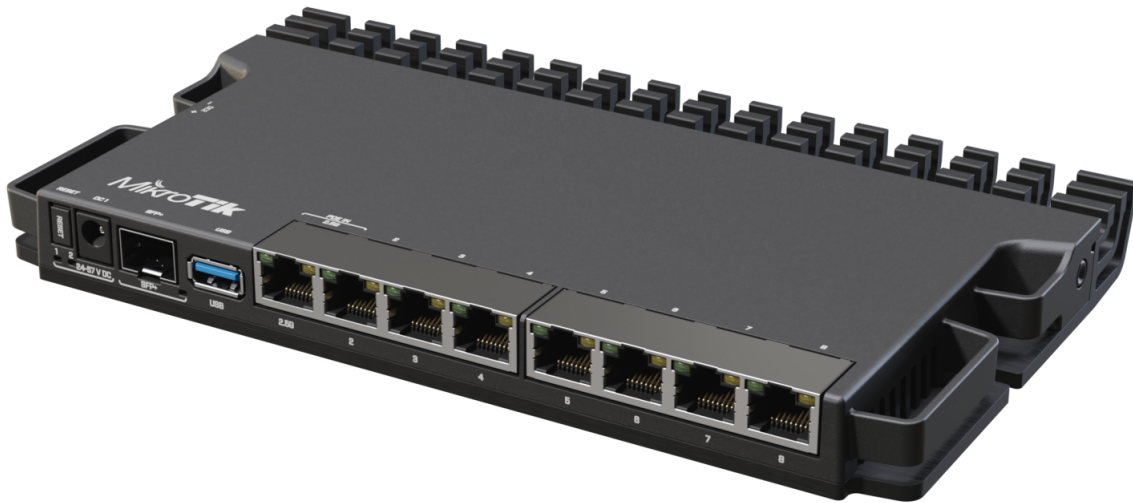


5009 SERIES ROUTERBOARDS

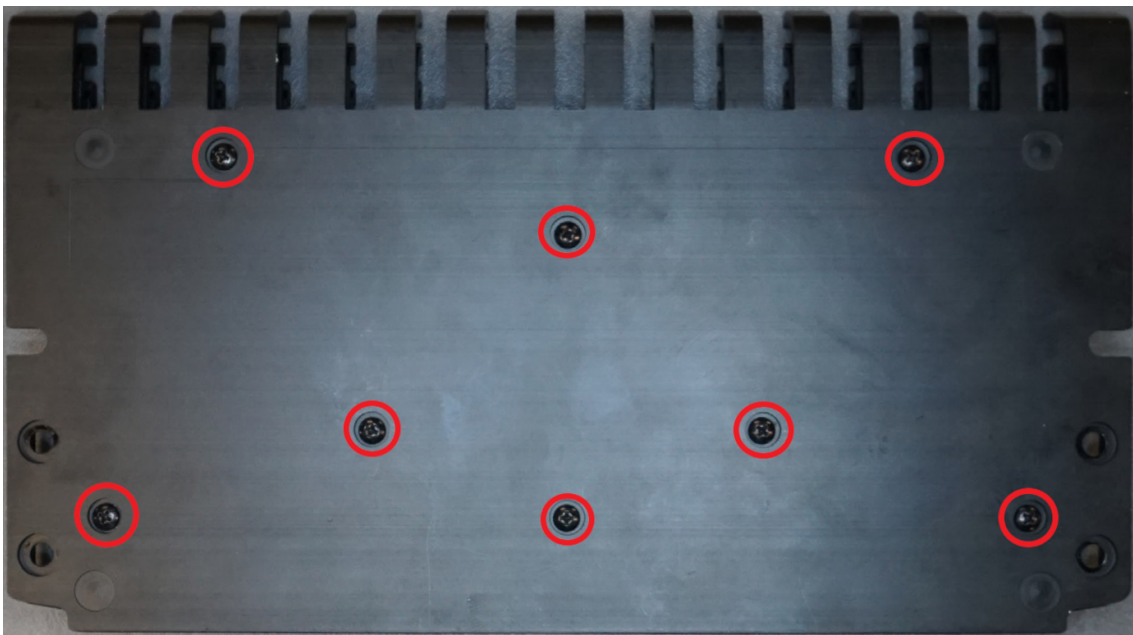
RB5009UG+S+IN



Picture 9

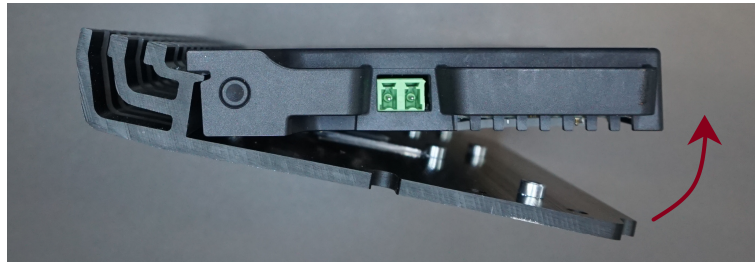
Disassembling information

Step 1: Unscrew 8 M2.5x17 screws from the bottom of the routerboard case using PH1 screwdriver. Location of the screws you can see in the picture 10.



Picture 10

Step 2: Lift the plastic cover according to picture 11.



Picture 11

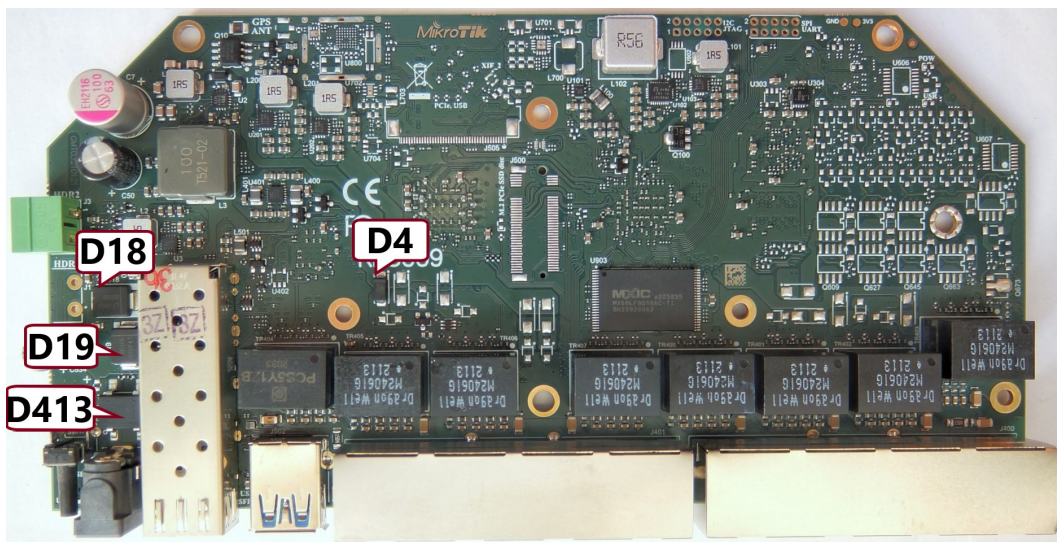
Checking procedure for over-voltage

Checking Schottky diode and diodes bridges

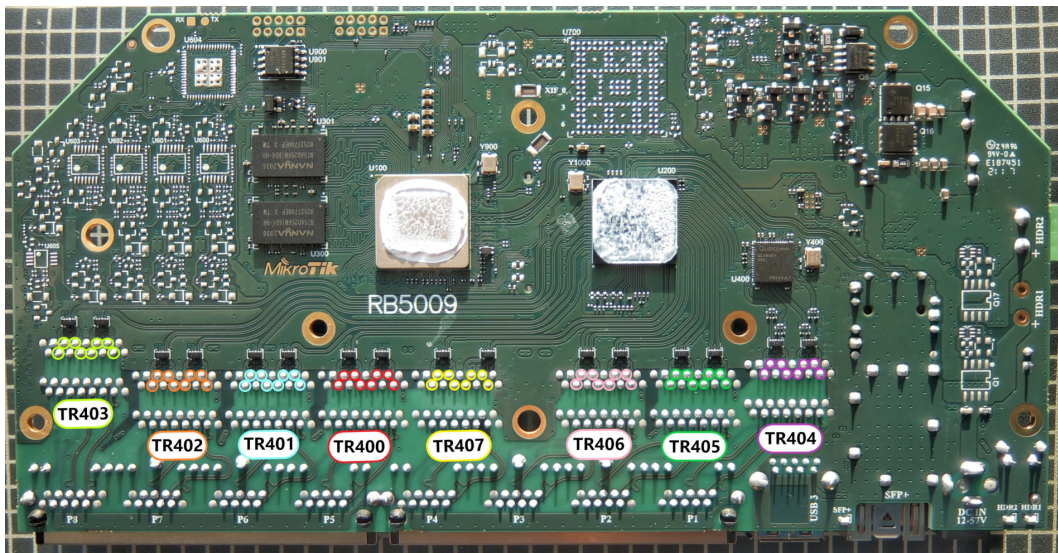
Check Schottky diodes D4, D18, D19 and diode bridge D413. Location of diodes on the board you can see in the picture 12. Schottky diode quality measurement method is described on page 3. Diode bridge quality measurement method is described on page 4.

Checking voltage drop value between Ethernet transformer pins and Ground

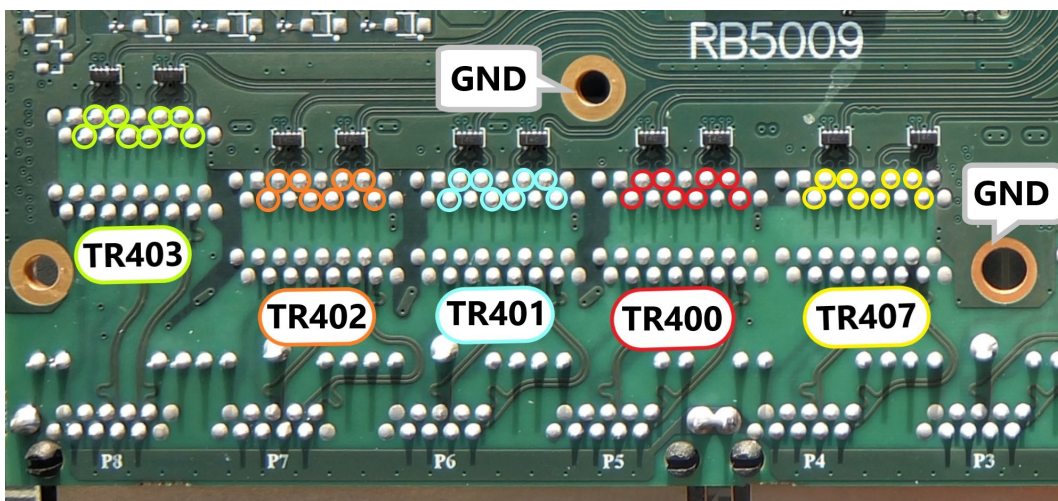
Check voltage drop value between transformers' TR400, TR401, TR402, TR403, TR404, TR405, TR406, TR407 pins and Ground (GND). Test points on the transformers' pins are marked with colored circles, see pictures 13 , 14 , 15. Voltage drop value should be in the range from 0,34V to 0,40V. Voltage drop measurement method is described on page 6.



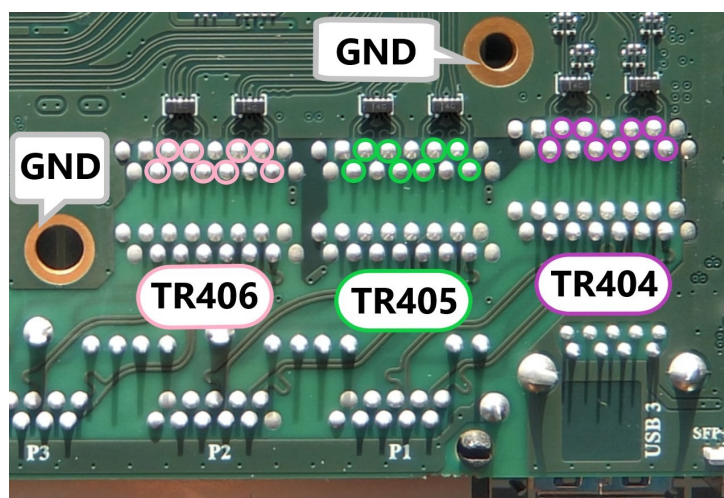
Picture 12



Picture 13



Picture 14



Picture 15